

1 1. (original) A Tiered Trenching Backhoe System comprising:

2 a trenching plate having a transverse bend therein located between substantially planar first and
3 second plate portions of said trenching plate, said trenching plate having first and second end
4 edges oriented substantially parallel to said transverse bend and having lateral side edges
5 extending between said end edges;

6 a first tooth mount secured to said first end edge of the trenching plate and projecting in a
7 direction substantially orthogonal to said first end edge;

8 a second tooth mount secured to said first end edge and projecting from said first end edge in an
9 orientation substantially parallel to the first tooth mount;

10 a first support member secured to one of the lateral edges of the trenching plate, said support
11 member projecting in a direction substantially orthogonal to the second end edge of the trenching
12 plate;

13 a second support member secured to the opposed lateral edge of the trenching plate, said support
14 member projecting in a direction substantially parallel to said first support member; and

15 a planar side member secured to the lateral side edge of the trenching plate adjacent to the
16 second support member and projecting substantially parallel to a plate portion of said trenching
17 plate;

18 wherein said planar side member includes a downward bend therein at a location spaced from
19 said lateral side edge.

1 2. (original) The Tiered Trenching Backhoe System of claim 1, wherein the trenching plate
2 includes:

3 a first triangular coupler secured to the second end edge of said trenching plate and projecting
4 substantially parallel to said tooth mounts;

5 a second triangular coupler secured to the second end edge of said trenching plate and projecting
6 substantially parallel to the first triangular coupler;

7 said first and second triangular couplers being removably attachable to a pair of existing tooth
8 shanks secured to a backhoe bucket.

1 3. (original) The Tiered Trenching Backhoe System of claim 1 additionally comprising a pair
2 of replaceable teeth, each said replaceable tooth being removably attachable to a tooth mount by
3 a pair of teeth tooth coupling pin.

1 4. (original) The Tiered Trenching Backhoe System of claim 1 wherein the plate portions of
2 said trenching plate define an interior angle therebetween of approximately 140 degrees.

1 5. (original) A The Tiered Trenching Backhoe System of claim 2 wherein the first and second
2 triangular couplers are adapted to connect to the two rightmost existing tooth shanks, the two
3 centermost existing tooth shanks, or the two leftmost existing tooth shanks of a backhoe bucket
4 for forming at least two tiers within a trench dug by said backhoe bucket.

1 6. (original) The Tiered Trenching Backhoe System of claim 1 additionally comprising a
2 second trenching plate having a transverse bend therein located between substantially planar first
3 and second plate portions of said trenching plate, said trenching plate having first and second end
4 edges oriented substantially parallel to said transverse bend and having lateral side edges
5 extending between said end edges;
6 a first tooth mount secured to said first end edge of the trenching plate and projecting in a
7 direction substantially orthogonal to said first end edge;
8 a second tooth mount secured to said first end edge and projecting from said first end edge in an
9 orientation substantially parallel to the first tooth mount;
10 a first support member secured to one of the lateral edges of the trenching plate, said support
11 member projecting in a direction substantially orthogonal to the second end edge of the trenching
12 plate;
13 a second support member secured to the opposed lateral edge of the trenching plate, said support
14 member projecting in a direction substantially parallel to said first support member; and
15 a planar side member secured to the lateral side edge of the trenching plate adjacent to the
16 second support member and projecting substantially parallel to a plate portion of said trenching
17 plate.

1 7. (cancelled).

1 8. (cancelled).

1 9. (new) A system for attachment to existing tooth shanks of a backhoe bucket for creating
2 a dual trench, said system comprising in combination (new) A tiered trenching backhoe system
3 including:

4 a trenching plate having a first and a second end edge and having lateral side edges
5 extending between said first and a second edges;

6 a first coupler connected adjacent said first end of said plate and a second coupler
7 connected adjacent said second end of said plate, said first and second couplers designed to be
8 removably coupled to existing tooth shanks of a backhoe bucket; and

9 a first tooth mount secured adjacent to said first end of said trenching plate and projecting
10 in a direction substantially orthogonal to said lateral side edges of said trenching plate; and

11 a second tooth mount secured adjacent to said second end of said trenching plate and also
12 projecting in a direction substantially orthogonal to said lateral side edge of said trenching plate,
13 but spaced from said first tooth mount, each said tooth mount designed to receive removably
14 secured spaced apart replaceable trenching teeth, whereby, when said system is attached to
15 existing tooth shanks of a backhoe bucket allows dual separated trench to be created.

1 10. (new) The tiered trenching system of claim 9 wherein means for coupling a removable
2 replaceable tooth to each of said first and second tooth mounts are included.

1 11. (new) The tiered trenching system of claim 9 wherein said trenching plate is comprised
2 of a first and second plate portion, each plate portion having a first and a second end edge and
3 having lateral side edges extending between said end edges, and wherein said first tooth mount is
4 secured to said first plate portion projecting in a direction substantially orthogonal to said lateral
5 side edges of said first plate portion, and said second tooth mount is secured to said second plate
6 portion and projecting in a direction substantially orthogonal to said lateral side edges of said
7 second plate portion and spaced from and substantially parallel to said first tooth mount. \

1 12. (new) The tiered trenching system of claim 11 wherein means for coupling a removable
2 replaceable tooth to each of said first and second tooth mounts are included.